

Third Annual Symposium

RISE

Research Insights in Semiarid Ecosystems

Recent research at the USDA-ARS Walnut Gulch Experimental Watershed (WGEW) and the University of Arizona Santa Rita Experimental Range (SRER)



RISE Program

University of Arizona, Tucson, Marley Building, Rm. 230

Saturday, 7 October 2006, 9:00 AM to 2:30 PM

Lunch and Poster Session, 11:00-1:00 PM

Registration Fee: \$7 Students; \$20 All Other (includes lunch)

Purpose: The objectives of the symposium are to share recent results of scientific research at WGEW and SRER, to encourage future research activities at the WGEW and the SRER, and to promote the WGEW and the SRER as outdoor scientific laboratories.

3rd RISE Symposium (Research Insights in Semiarid Ecosystems) 7 October 2006

Marley Building, Room 230

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| 8:30-9:00 | Registration | |
| 9:00-9:10 | Mitch McClaran and Susan Moran | RISE Welcome |
| 9:10-9:30 | Travis Huxman UA EEB | Ecosystem response to precipitation pulses on the Santa Rita Experimental Range |
| 9:30-9:50 | Jeannie McLain USDA ARS ALARC | Rangeland management practices alter trace gas (CO ₂ , N ₂ O, CH ₄) fluxes at the Santa Rita Experimental Range |
| 9:50-10:10 | George Ruyle UA SNR | Developing, Implementing and Monitoring an Adaptive Management Grazing Plan for the Santa Rita Experimental Range |
| 10:10-10:30 | Tim Keefer USDA ARS SWRC | Comparing two types of weighing recording precipitation gauges on Walnut Gulch Experimental Watershed |
| 10:30-11:00 | Poster introductions | <i>Poster abstracts provided by poster authors</i> |
| 11:00-1:00 | Poster Session (Accepting submissions) | <i>Authors will be with their posters in the hall outside the conference room</i> |
| 12:00-1:00 | Lunch w/ Posters | Provided at the meeting by RISE |
| 1:00-1:20 | Julio Betancourt USGS DL | On-going research at the Desert Laboratory and opportunities for collaboration |
| 1:20-1:40 | David D. Breshears, J.P. Field, C.B. Zou, and J.J. Whicker UA SNR & LANL | Wind and Water Erosion under Alternate Land Uses: Insights from Ongoing Research at the Santa Rita Experimental Range |
| 1:40-2:00 | Jeff Stone USDA ARS SWRC | Hydrologic comparison of a brush and a grass ecosystem at a range of scales at the Walnut Gulch Experimental Watershed |
| 2:00-2:30 | Discussion | All speakers and poster authors will be in attendance |

RISE Organizing Committee:

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Acronyms:

ALARC: Arid-Land Agricultural Research Center
 ARS: Agricultural Research Service
 DL: Desert Laboratory
 LANL: Los Alamos National Laboratory
 SNR: School of Natural Resources
 SWRC: Southwest Watershed Research Center
 UA: University of Arizona